

ABSTRACT OF THE DISCLOSURE

Disclosed is a micro mode executing apparatus of a digital still camera using a focus driving motor, in which an image sensor and a focus controlling lens are connected to a focus driving motor and a spindle of the motor, thereby controlling an optical length within a range of not changing a barrel structure. The micro mode executing apparatus comprises a motor transferred along a rotating axis of a spindle with a rotating direction of the motor being changed in line with an applied electrical signal with reference to the rotating axis of the spindle; an image sensor, mounted integrally onto one side of the motor through a fixing member, for converting an image of an object to an electrical signal; a focus lens positioned on a same optical axis as the image sensor and secured to one end of the rotating axis of the spindle; a housing consisting of a first step region for limiting a transferring area of the motor and a second step region for limiting a transferring area of the focus lens, the first and second step region forming a barrel structure having a step layer; a first biasing member connected to the focus lens and the motor and having a constant biasing force; and a second biasing member for positioning the motor on the first step region by applying a biasing force to a lateral direction.